

STA 3024 Section 4432

Introduction to Statistics 2 Fall 2010

Meeting Time and Location	MWF 2nd period (8:30–9:20 a.m.) Norman 137	
Course Website	http://www.stat.ufl.edu/~dksparks/sta3024	
Instructor	Doug Sparks Griffin-Floyd 218 dksparks@stat.ufl.edu	Office Hours TBA or by appointment
TAs	Laura Mori Griffin-Floyd 115A lmori80@stat.ufl.edu	Yeonhee Park McCarty C 401 yeonhee@stat.ufl.edu

Course Description and Objectives

STA 3024 is a second course in statistics that applies tools from STA 2023 to develop a variety of statistical methods that can be used to make decisions with data in the real world. This course is intended to be accessible to students without a mathematical background, as no concepts beyond basic algebra are required. The following topics will be covered:

- Contingency tables and the chi-squared test
- Analysis of variance in both one-way and two-way layouts
- Regression, with an emphasis on inference
- Nonparametric methods

Since this course builds directly on material from STA 2023, concepts from that course will be briefly reviewed as needed.

Textbook

We will use all 15 chapters of *Statistics: The Art and Science of Learning from Data*, by Alan Agresti and Chris Franklin, Prentice Hall, 2008. The first edition (2007) will also work, but the chapters, examples, and homework problems might be numbered differently. Although the textbook will not be used for any graded assignments or required readings, you will still find it useful as a source of extra problems and as a reference for additional information or alternative explanations.

Lecture Notes

I will post the lecture notes for each chapter on the course website before we start them. You can print these out and bring them to class to save yourself some writing. However, the notes posted online will be incomplete, so you will have to come to class to fill in the blank sections. If you miss a day of class, please try to get the notes from a friend (or a stranger) before you try asking me. Obviously you are free to ignore the posted notes if you prefer to take notes a different way.

Be aware that the pre-posted notes will not be a word-for-word transcript of exactly what we discuss in class. You will be responsible for all of the material that we cover in class, whether it is contained in the pre-posted notes or not. (However, you will not be responsible for anything not directly covered in class, like sections of the textbook that we skip.)

Exams

Four closed-book, multiple-choice, non-cumulative exams will be given during the normal class time on the following four dates:

- Wednesday, September 29
- Wednesday, October 20
- Wednesday, November 10
- Wednesday, December 8

We will not use our university-appointed exam period during exam week for anything.

If you are unable to take an exam due to conflict or illness, you must contact me as soon as possible to discuss your options. Valid documentation will be required for any make-ups.

Homework

A few reasonably short homework assignments will be posted to the course website. The due date for each assignment will be announced when it is posted. Homework assignments might be written, online, or some combination of the two. Late assignments will be accepted but penalized. You may work together on the assignments, but simply copying another student's paper is considered cheating and will be dealt with accordingly.

I will also post a list of suggested problems from the textbook. These problems will not be collected, but they are a good way to help yourself learn the material.

Attendance

Attendance is not required (except on exam days), but it is strongly recommended.

Calculators

For exams and homework assignments, you will need a calculator that can at least do arithmetic and square roots. Any scientific or graphing calculator will work as well. (If it was fine for STA 2023, it will be fine for this course.) Please be aware that saving notes into a calculator and accessing them during an exam is considered cheating and will be dealt with accordingly.

Grading

Your semester grade will be calculated as follows:

Source			Points	Percent	Grade
Exam 1	100 points	$\approx 17\%$	527–600	87.8–100	A 4.00
Exam 2	100 points	$\approx 17\%$	507–526	84.5–87.7	A– 3.67
Exam 3	100 points	$\approx 17\%$	487–506	81.2–84.3	B+ 3.33
Exam 4	100 points	$\approx 17\%$	467–486	77.8–81.0	B 3.00
Assignments	200 points	$\approx 33\%$	447–466	74.5–77.7	B– 2.67
Total	600 points		427–446	71.2–74.3	C+ 2.33
			387–426	64.5–71.0	C 2.00
			367–386	61.2–64.3	C– 1.67
			327–366	54.5–61.0	D 1.00
			0–326	0–54.3	E 0.00

I have calibrated the grading scale to guarantee that you will earn at least as many grade points for the course as you would have earned under the usual grading scale before the implementation of minus grades.

If grades for the class as a whole are lower than expected at the end of the semester, I might change the grading scale to something more favorable than the scale shown above. If grades for the class as a whole are higher than expected at the end of the semester, the scale will not change.

In compliance with UF Statistics Department policy, I will not give grades of D+ or D–.

Incomplete Grades

An incomplete grade will only be given under extraordinarily extenuating circumstances that prevent the student from completing the course requirements. Having a failing grade in the course is not by itself an extraordinarily extenuating circumstance.

Students with Disabilities

Any student requesting accommodation for disabilities must first register with the Dean of Students Office, who will provide documentation to the student, who must then provide this documentation to me privately as soon as possible.

Privacy Policies

Student records are confidential. Only information designated as UF directory information may be released without your written consent. This includes requests from parents or anyone else who contacts me about your performance in the class.

Academic Honesty

All students are required to abide by UF's academic honesty guidelines. For students in this course, the relevant portions can be summarized as follows: Do not cheat.